AMENDMENT TO THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (currently amended) Process for the preparation of melamine comprising bringing together in ~~wherein, by~~ a first mixing step ~~in which~~ at least two melamine-containing flows, originating from at least two different processes for the preparation of melamine from urea, ~~are brought into contact with each other, with~~ to form a mixture ~~being formed~~ thereof.

2. (currently amended) Process according to claim 1, wherein ~~in which~~ at least one melamine-containing flow contains gaseous and/or liquid melamine, and wherein the process further ~~which~~ comprises cooling the mixture in a cooling step, during or after the first mixing step, ~~in which the mixture is cooled~~ to a temperature below 250^0C.

3. (currently amended) Process according to claim 2, wherein ~~in which~~ the cooling step ~~is carried out by~~ comprises bringing the mixture into contact with an aqueous phase.

4. (currently amended) Process according to claim 2, wherein ~~in which~~ at least one of the melamine-containing flows contains water as a ~~the~~ continuous phase, and wherein ~~in which~~ the cooling step is practiced ~~carried out~~ during the mixing step by ~~supplying~~ mixing the at least one melamine-containing flow which contains water as the continuous phase with at least one other melamine-containing flow.

5. (currently amended) Process according to claim 2, wherein ~~in which~~ the cooling step comprises ~~is carried out by~~ bringing the mixture into contact with gaseous and/or liquid ammonia.

6. (currently amended) Process according to claim 1, wherein ~~in which~~ at least one of the melamine-containing flows ~~flow~~ contains melamine from a low-pressure gas-phase process for the preparation of melamine, and at least one other of the melamine-containing flows ~~flow~~ contains melamine from a high-pressure liquid-phase process for the preparation of melamine.

7. (currently amended) Process according to claim 1, comprising a second mixing step, during or after the first mixing step, which comprises bringing the mixture ~~in which the mixture is brought~~ into contact with an aqueous phase, followed by a crystallization step which comprises cooling ~~, in which~~ the mixture ~~is cooled~~ by at least 5^0C to form ~~, with~~ solid melamine ~~being formed~~, followed by a separation step comprising isolating ~~in which~~ the solid melamine ~~is isolated~~ from the mixture.

8. (currently amended) Process according to claim 7, further comprising dissolving ~~in which~~ virtually all the melamine ~~is dissolved~~ in a dissolving step during or after the second mixing step and prior to the crystallization step with the aid of heating and/o the addition of an aqueous flow.

9. (currently amended) Process according to claim 1, wherein ~~in which~~ at least one of the melamine-containing flows contains water as a ~~the~~ continuous phase, and wherein ~~in which~~ the mixture after the first mixing step is subjected to a crystallization step which comprises cooling ~~, in which~~ the mixture ~~is cooled~~ by at least 5^0C to form ~~, with~~ solid melamine ~~being formed~~, followed by a separation step which comprises isolating ~~, in which~~ the solid melamine ~~is isolated~~ from the mixture.

10. (currently amended) Process according to claim 9, wherein ~~in which~~ the melamine-containing flow which contains water as the continuous phase contains melamine originating from a low-pressure gas-phase process and is saturated to between 70% and 110% with melamine.

11. (currently amended) Process according to claim 7, wherein ~~in which~~ at least one of the melamine-containing flows ~~flow~~ contains melamine from a low-pressure gas-phase process for the preparation of melamine, and at least one other of the melamine-containing flows ~~flow~~ contains melamine from a high-pressure liquid-phase process for the preparation of melamine.

12. (currently amended) Process according to claim 8, wherein ~~in which~~ the mixture is subjected to a purification step after the dissolving step and prior to the crystallization step, and wherein the ~~this~~ purification step comprises: ~~comprising~~

- treating the mixture ~~a treatment~~ with NH_3 at a pressure between 1 MPa and 20 MPa and a temperature between 100^0C and 250^0C,
- and optionally conducting an adsorption step and/or a filtration step.

13. (currently amended) Process according to claim 7, comprising cooling ~~in which~~ the mixture in the crystallization step ~~is cooled~~ to a temperature between 100^0C and 25^0C.